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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/691,490	10/18/2000	Humberto Rodriguez	EMC00-22(00076)	5123
7590	03/24/2004		EXAMINER	
Barry W. Chapin, Esq. Chapin & Huang, L.L.C. Westborough Office Park 1700 West Park Drive Westborough, MA 01581			LAMARRE, GUY J	
			ART UNIT	PAPER NUMBER
			2133	3
			DATE MAILED: 03/24/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/691,490	RODRIGUEZ ET AL.
	Examiner	Art Unit
	Guy J. Lamarre, P.E.	2133

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
 Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 18 October 2000.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-33 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-33 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 18 October 2000 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
 If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
 * See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.

4) Interview Summary (PTO-413) Paper No(s) _____.
 5) Notice of Informal Patent Application (PTO-152)
 6) Other: _____.

DETAILED ACTION

Pursuant to 35 USC 131, **Claims 1-33** are presented for examination.

Claim Objections

1. **Claims 12-13, 15-16, 19, in passim,** are objected to under 37 CFR 1.75 because 'Where a claim sets forth a plurality of elements or steps, each element or step of the claim should be separated by a line indentation. There may be plural indentations to further segregate subcombinations or related steps. See 37 CFR 1.75 and MPEP 608.01(i)- (p).'. Appropriate correction is required.

Claim Rejections - 35 USC § 112 SECOND PARAGRAPH

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2.0 **Claim (s) 13 and 27** stand(s) rejected under 35 USC § 112 SECOND PARAGRAPH for failing to particularly point out and distinctly define the subject matter which the applicant regards as his invention.

2.1 **As per Claim (s) 13 and 27:**

It is unclear to the Examiner what 'Oracle database data/application/checksum' stand for.

Claim Rejections - 35 USC ' 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3.0 This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out

the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).

3.1 Claims 1-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Applicants' Admitted prior art (hereinafter Admitted prior art)** in view of **Pomerantz** (US Patent No. 6,567,953; filed: 29 Mar. 2000).

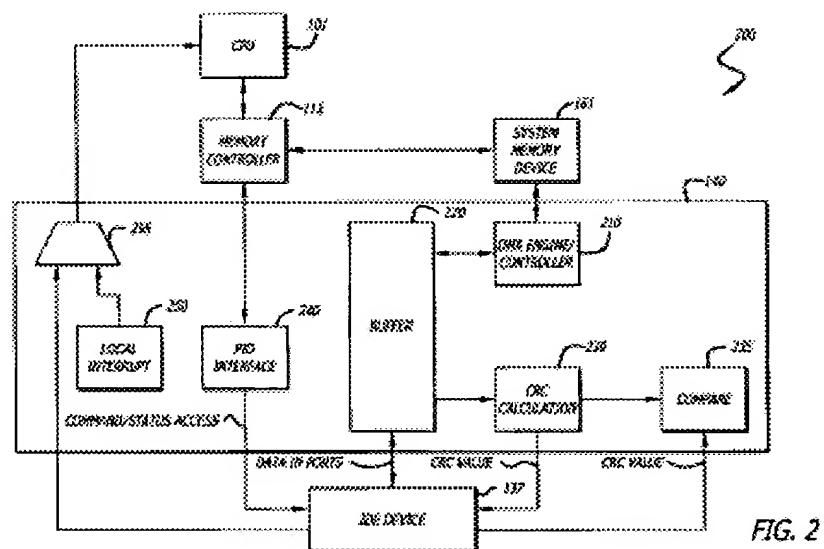
As per Claims 1, 15, 29 and 33, Admitted prior art substantially discloses, in page 2 line 5 – page 3 line 19, equivalent detecting means comprising checksum means along with checksum insertion/embedding means into application data or database followed checksum compare means to determine error status of data storage or database.

Not specifically described in detail in **Admitted prior art** is the step whereby data compatibility is assured.

However, those of ordinary skill in memory testing will recognize that ensuring data compatibility is one of the desiderata of memory design. For example, **Pomerantz**, in an analogous art, discloses data transfer validation means between device and host wherein such data compatibility techniques are described. {See **Pomerantz**, Id., e.g., col. 1 line 15 et seq., Figs. 1-8 and related description .} **Therefore**, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to modify the procedure in **Admitted prior art** by including data compatibility means as taught by **Pomerantz**, because such modification would provide the procedure disclosed in **Admitted prior art** with a technique whereby “data access is optimized.” {See **Pomerantz**, col. 2 line 40 et seq.}

As per Claims 2-14, 16-28, 30-32, Pomerantz discloses data partitioning means in Figs. 5-6 and col. 2 line 40 et seq., error checking means in Figs. 2-4 via CRC, page 2 line 5 – page 3 line 19, memory allocation/designation means in Fig. 5., command/request means in Fig. 6: block 600, checksum/CRC compare and interface means, e.g., in Fig. 2: blocks 230, 235, 240, storage system interconnection means in Figs. 1-2, means to time-stamp and interrupt data

transfer in col. 3 line 24 et seq., means to convert data from one format to another in col. 1 line 35 et seq.



Conclusion

4. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks, Washington, D.C. 20231

or faxed to: (703) 872-9306 for all formal communications.

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guy J. Lamarre, P.E., whose telephone number is (703) 305-0755. The examiner can normally be reached on Monday to Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert De Cady, can be reached on (703) 305-9595.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Art Unit: 2133

Information regarding the status of an application may also be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Guy J. Lamarre, P.E.

Patent Examiner

3/17/04
